



**HART HOUSE MEMBERSHIP** for women, summer and part-time students and, eventually, for people on the administrative and support staffs has been proposed by the Presidential Advisory Committee on the Future Role of Hart House. See page 3. This year, as in the past, the House con-

tinues as the University's great gathering place. These pictures were taken September 1 and 2 at events sponsored by the Parents' Program Committee. At left, Dr. Pauline McGibbon, the Chancellor, talks to parents of first-year students about U of T. At extreme right, W. B. Harris, the Chairman

of the Board of Governors, with Norman Walker, Dept. of Development, chats with Mr. and Mrs. W. Barnes, whose son is in Law and with Mrs. Shirley Smith who has a daughter in Pharmacy. Chairman of the Parents' Committee is Gordon Waldie, Q.C. a director of Varsity Fund.



UNIVERSITY  
of TORONTO

# Bulletin

THURSDAY  
16th SEPTEMBER  
1971

25th Year  
No. 2

## Ford Motor Co grants \$100,000 to aid research

To accelerate the development of environmental sciences in the University, Ford Motor Company of Canada Limited has pledged a total of \$100,000 in grants over a three-year period.

D. H. Carlson, vice-president and secretary of the company, said the grant was an example of the company's "seed money" concept of industry providing innovative capital to help universities to get worthwhile programs on their feet.

In accordance with this policy, the Ford contribution will be large at first and then progressively reduced as the University takes over an increasing share of the cost of the program.

A cheque for \$50,000, representing the first year's instalment, has already been received by Prof. P. H. Jones, chairman of the Council of the recently-established Institute of Environmental Science and Engineering. It represents the salaries and support costs of three professors for the academic year 1971-72.

In the academic year 1972-73, Ford will provide \$31,500 and the University will make up the balance of \$21,000. In the third year of the program, the University share will be \$38,582, while Ford will carry the balance of \$16,535. The University has undertaken to take care of the whole budget for three chairs in subsequent years.

The agreement between the Ford Motor Company of Canada and U of T recognizes that one of the top priority tasks facing society is "to devise ways of coming to terms with our environment".

Governments, private industry and the universities can each contribute to this end but the role that each can best play has still to be established. One of the objectives of the new Institute of Environmental Sciences and Engineering is to improve communication between different groups on campus and to study the nature of environmental problems with the help of all the many relevant disciplines. However, the many seminars and study groups and other discussions that have already taken place have emphasized the desirability of expanding the dialogue to include other interested parties, including industry.



Dr. W. D. Baines is the newly appointed chairman of the Department of Mechanical Engineering. See story on page 7.

## EXHIBITIONS

Beginning Oct. 1, ROM will be open until 9 p.m. daily except Mondays. Tues. to Sat., 10 a.m. to 9 p.m., Sun. 1 to 9 p.m. and Mon. 10 a.m. to 5 p.m.

"Keep Me Warm One Night". Major exhibition of handweaving in early Canada. More than 500 items on display offer fascinating detail of social customs in Canada before 1900. Exhibition Hall, ROM. To Oct. 31.

"People of the North Portraits by Susan Ross". Travels to Pond Inlet, North Baffin and northern regions of Ontario and Manitoba provided Susan Ross with strong subjects for her portraits. Lower Rotunda, ROM. To Oct. 31.

"The Woodcut: From Durer to the 20th Century". To honour the 500th anniversary of Durer's birth, the showing from ROM's European print collection follows the development of the woodcut. Third floor Rotunda, ROM. To Oct. 31.

### SEPTEMBER 23 DEADLINE

University of Toronto Bulletin is published by the University News Bureau, Room 225, Simcoe Hall. All material for the next issue should be in the hands of the editor, Mrs. Winogene Ferguson (928-2102) by noon today. The next editorial deadline is noon, September 23.

## Master's program in Criminology and our Indian-Eskimo project win Donner Foundation support

The Donner Canadian Foundation announced that it has granted the University \$80,000 over two years to support the establishment of a Master's degree program in Criminology. The new degree program, to be taught under the auspices of the Centre of Criminology, will begin this month.

Prof. J. L. J. Edwards, Director of the Centre, says that the M.A. program will be integrated with the Centre's ongoing research projects and that applications have already been received from well qualified students in law, sociology, psychology and other areas of study. The Centre also hopes to attract, as part-time students, those who are already working in the field and have the necessary qualifications for admission to the graduate program.

The Centre of Criminology was established in 1963 to conduct research into criminal behaviour, crime prevention and corrections in Canada and to provide facilities for University level study into the operation of the criminal justice system. Since 1965 the Centre has sponsored an evening Certificate Course in Criminology which has been attended by police officers, lawyers, probation officers and correctional staff.

The Centre's current research activities include studies of sentencing, public attitudes towards crime, reporting of crime news, the operation of Ontario's Legal Aid Plan, an Economics of Crime project and research into parole and the nature of reported crime. It is hoped that the new M.A. program will encourage vigorous participation by the University of Toronto in current and future developments in post-graduate criminological teaching and research in Canada.

### Indian-Eskimo program

A grant totalling \$110,400 over a three-year period has been authorized by the Board of Governors of the Donner Canadian Foundation in respect of the Indian-Eskimo Scholarship Program that has been launched by this University.

The grant includes the salary of a program administrator, five annual bursaries of \$1,500 each for non-registered Indians to study at the U of T, and travelling expenses for both students and faculty.

The purpose of the program is to

attract a number of Indian and Eskimo students to the University as undergraduates and to plan for their active participation in mission-oriented field investigations in those parts of Canada in which Indian and Eskimo communities are situated.

While the bursaries are available only to non-registered Indians (because the Indian Act restricts the Federal Government to providing financial aid for university education to registered Indians and Eskimos), the program will also aim to provide help and counsel to registered Indians and to involve them directly in its summer field activities.

To ensure optimum results, the University will establish close co-operation with the regional and provincial indigenous people's associations across Canada.

Candidates will be required to satisfy all the normal admission requirements of the U of T and it is fundamental to the philosophy of the new program that those who are accepted shall be able to seek an academic curriculum of the highest quality and be free to select from as wide a range of career opportunities as possible.

The program will be under the guidance of an administrator, still to be named, who will be of Indian or Eskimo background. The administrator will in turn operate under the supervision of the Northern Studies Committee of the University's newly-established Institute of Environmental Sciences and Engineering. The Northern Studies Committee is a multi-disciplinary one, representing a wide diversity of expertise. Its members are as follows:

S. J. G. Bird, Civil Engineering (chairman);  
R. V. Dunning, Anthropology (vice-chairman);  
Kenneth Hare, Geography;  
G. W. Heinke, Civil Engineering;  
Morton Katz, Architecture;  
D. H. Pimlott, Zoology;  
J. H. Sparling, Botany;  
P. C. Swann, Royal Ontario Museum;  
J. B. Waterhouse, Geology.

Candidates for the program may apply directly to: Indian-Eskimo Scholarship Program, c/o Institute of Environmental Sciences and Engineering, University of Toronto, Toronto 5, or they may contact any member of the Northern Studies Committee.



## Hart House amenities stimulate a new program for parents



In the centre at left, Mrs. Anne Stockwood, Department of Development and Secretary of the Parents' Program Com-



mittee, talks with Mr. and Mrs. J. H. Martin whose daughter, just back from a trip to Russia, has enrolled in Music. At

extreme right, Mrs. J. H. Sword, the wife of the Acting President, is with Mr. and Mrs. R. Kenton.



At extreme left Mrs. Audrey Hozack, who becomes Assistant Warden (Administration) at Hart House in October, is with



Mrs. Robert Giles. At extreme right Dean James M. Ham, Applied Science and Engineering talks with Mrs. John Kotu-

lak, left, Mr. and Mrs. Fred Shostak and Mr. Kotulak. The Kotulaks live in Galt.



At left, Mr. and Mrs. John West with L. R. Kurtz who is Dean of Men at New College where their son will live. At the ex-



treme right is Dr. McGibbon, the Chancellor, with (from left) Mrs. L. Shapiro, a teacher in Physical and Health Edu-

cation; Mrs. J. V. Thornton, whose son has enrolled in Forestry; and Mrs. T. G. Quan.



At extreme left is Innis College Principal Peter Russell with Mr. and Mrs. Heine Wachtendorf. At left in next group,



W. D. MacPherson, Dept. of Development, talks with Mr. and Mrs. John Cahoon and their daughter Sharon, a student



at Erindale. Facing camera at right is Tom Daly, Dept. of Development, with another visitor.



# "Let more enjoy Hart House" committee urges

## Members of the committee on future of Hart House

The members of the Presidential Advisory Committee on the Future Role of Hart House who signed its report were:

Edward M. Bridge, chairman, of Hart House Board of Stewards.  
 Prof. P. Earl Burke, faculty member.  
 W. John Easthaugh, Hart House graduate member.  
 Prof. Donald F. Forster, Presidential nominee.  
 Sydney Hermant, Board of Governors appointee.  
 Robert W. Hoke, Board of Stewards.  
 Harriet Kideckel, Students' Administrative Council.  
 Prof. Lawrence E. Lynch, faculty member.  
 Gary L. Segal, Hart House graduate member.  
 C. Robert Vernon, Students' Administrative Council.  
 E. Arnold Wilkinson, Warden of Hart House.

The two SAC nominees were preceded by others on the membership of the committee. Mr. Vernon replaced Miss Jennifer Bankier and Miss Kideckel followed first Mrs. Charlene Cunningham and then Miss Ruth McPherson.

tions can be seen in the House's activities in the field of art. There are formal classes in which members paint, or sketch, under direction of a professional teacher as in any other class: but, of course, there is no exam. These classes are easily understood as a teaching-learning situation, but in many ways they are the least important aspect of art in Hart House. What is less obvious is the learning experience involved in the general life of the members. Here the House presents a point of view with no obvious teacher or student, a point of view which says that the arts of painting and sculpture are a normal part of life and further that the work of artists in our own country is worth serious attention.

Almost from the beginning of Hart House there has been an Art Committee made up mainly of students. Working with meagre funds, but with ample imagination, this committee has bought the newest work of Canadian artists from year to year. Hence the walls of Hart House are hung with Canadian paintings and generations of students have developed a casual but well-informed interest in painting and, more important, a desire to have such things in their own homes.

Another aspect of this approach to learning is seen in exhibitions. Students organize and hang exhibitions of Canadian art. The student meets the expert, the painter, the dealer, the critic and from them he learns about both the finished work and the people involved in the creative process. From these experiences there develop a depth of feeling and power of interest which are very difficult to generate in any formal art class. An indication of the success of this kind of education is seen in the "graduates" of Hart House, many of whom have played leading roles in the growth of the arts in Canada.

The House has sought to draw its members together in a common fellowship and the methods used stem from its view of educational experience. Hart House does not, for example, sponsor social events merely to introduce members to one another. In many universities there are "meet the staff" functions, or "social hours"; such occasions have always been looked on by the House as unproductive and have never been used. Instead the House has sought that deeper mutual knowledge which comes from working together and trading opinions and ideas in the pursuit of common ends.

The way in which members of different ages and backgrounds can work together is best seen by examining a typical event. Every year the Debates Committee organizes a number of formal debates. Most of the members of the Committee are students but, like all committees in the House, this one includes graduates of the University and members of the faculty. Ideas for debate may come from any quarter: from a student as a result of his interest in some burning question of education or politics, from a business man who senses the need to discuss social reform or from a teacher who sees a threat to civil liberty. From many such ideas, the Committee must choose the one which will make a good debate. In this discussion what is important is not the status of the member who puts forward the idea. The student will often know better than the teacher what issue is important on the campus, and the alumnus may know better than the student which issue has two clear sides from which debate can flow; and each has one vote.

The contributions which the members of the Committee make to this deliberation are not defined by their professions. The members of the faculty are not necessarily the experts on ideas; sometimes the most difficult intellectual questions are posed by students. The alumnus is not always the person who will secure a distinguished guest, for this is just as often done by a student or a teacher. In fact the members of the Committee see each other as equals,

and their exchange of opinion occurs in an atmosphere of rare freedom from concern for vested interest or status. Members are drawn into open and often blunt discussion because the test of their work is on the floor of debate.

When the planning is finished and the debate begins, the Speaker takes his chair at 8 o'clock and this sharing of interest which we have seen in the working of the committee is extended to the members of the House. The form of debate is parliamentary so that any person present may be recognized by the Speaker, come to the dispatch box, and speak to the question. There, all are equal. The member has naught for help but his own tongue and wit. There is no party or power structure to support him, nor are there any judges whom he must flatter and please with niceties of formal style. He faces a house which will cheer him to the rafters for a cogent argument well put, but will heckle him off the floor if he fails to win respect. It matters not whether he is freshman, scholar, President of the University or leader of the Government. Indeed, on one occasion, an eminent member of the Government of Canada, after his participation in a Hart House debate, said that he would rather spend five years in Opposition than face "that bear pit" again.

After the debate is over, and the House has divided and the vote has been announced, all the speakers meet together over coffee. The enemies of an hour ago, who were publicly destroying each other, unwind and resolve their personal grievances in relaxed and often lively discussion, demonstrating again the ancient rite of fellowship. Whatever issues incite divisions, and however hot the contest, when the battle is over all contestants need that social ritual which heals the wounds and draws together the warriors.

The educational process which has been described is characteristic of the life of the House, and permeates all its activities. A list of committees gives an idea of the scope of events. They are:

*The Standing Committees:* house, library, music, art, debates and graduate.

*The Clubs and Special Interest Committees:* archery, amateur radio, bridge, camera, chess, farm, Finnish summer exchange, Finnish Scholarship exchange, glee, Hart House Orchestra, revolver, rifle, squash, table tennis, underwater and summer program.

These committees are the source of the life of the House. The Finance Committee and the Board of Stewards are regulatory bodies which complete the list of 24 committees.

Your committee recognizes and affirms the value of the idea of informal education which is central to the work of Hart House. The programs of events and services which foster contacts among people of all parts of the University community are very much in the spirit of the recommendations of the Commission on University Government.

Our first recommendation is that, since the educational role of the House is recognized as being of special importance to the University, the House be encouraged to continue and to expand its activities so that all members of the University community can enjoy the sense of fellowship and the pursuit of creative leisure which the House embodies.

### CHAPTER II: Government and Constitution

The Board of Stewards is the senior governing body. At present 10 students sit on the board: the secretaries of five standing committees and one representative from each of the Men's Athletic Association, the Student Christian Movement, the Students' Administrative Council, Scarborough College and Erindale College. There are 10 members who are not students: two members of the Faculty appointed by the President, one representative of the Board of

Governors, the Chairman of the Graduate Committee, a representative of the Faculty Club, the Financial Secretary of the Men's Athletic Association, the President of the University and three members of the staff of Hart House - the Warden, the Assistant Warden (Activities) who is Secretary, and the Assistant Warden (Administration). Since the Warden is Chairman, the student members hold a voting majority of one.

As with all parts of the University, the House is ultimately responsible to the Board of Governors, but it is in fact governed by the Board of Stewards. Since the membership of the Board of Stewards is broadly representative of the University community, the exercise of this authority is constantly tempered by the awareness of the wide diversity of interest and opinion in that society. Moreover, since all the students and two of the senior members (Chairman of the Graduate Committee and Faculty Club representative) reach the Board by the electoral route, the interest of the constituents is well protected.

Nearly all of the Board members are actively engaged in the life of the House. As a result of this common interest they work in an atmosphere of mutual trust, and the confidence established in this working partnership between varying interests has been largely responsible for the growth of harmonious relations with the University. As a result, the House has been accorded a remarkable degree of autonomy.

The independence which the House enjoys is reflected in the daily practice of its government. The events and programs which the committees run are reported only to the Board of Stewards. Approval is not required by any other body in the University. Discipline is maintained by the Board, and the House has never been required to submit its members to the disciplinary procedure of any other authority. Finances are managed by the Board with the advice of the Finance Committee, and the House reports semi-annually to the University on its stewardship. Although the House is finally answerable to the Governors of the University, the growth of responsible traditions has been so successful that the autonomy of the House has never been seriously challenged.

The Board of Stewards in turn has delegated much of its authority to the elected committees. Relations between these committees and the Board have developed so successfully that the Board of Stewards has never withdrawn powers once granted. Indeed, the trend has been quite the reverse as more and more authority has been delegated with changing interests and conditions.

At present the typical committee includes eight to 11 students who are elected annually and who constitute a sizable majority, two members of the faculty and an alumnus. The latter three are appointed by the Board of Stewards. The secretary is a student and is the executive officer; the chairman is one of the faculty members. There are a few exceptions to this characteristic structure, the most important being the Graduate Committee which is made up of elected representatives of the senior members (alumni and faculty), and the Finance Committee, all of whose members are appointed and only one of whom is a student. Generally, however, students are in the majority and they are elected by the student members of the House.

On the 24 committees there are about 250 members, over one-third of them faculty and alumni. The numbers, however, tell little of the significance of the committees, for the measure of their worth is the quality of life which they generate for the House. Their programs give the members a rich variety of experience ranging from sports such as squash, through outdoor recreation at Hart House Farm, to the formal art of the concert and the exhibition of paintings. Every event is a tribute to the ability of students, faculty and alumni, working together, to manage their own affairs and to seek out and encourage excellence.

The committees have been remarkably successful in building strong traditions without becoming entangled in hide-bound reaction. Election by a changing constituency ensures a flow of new people with fresh ideas to enrich and remould established customs. At the same time, continuity is maintained by three procedures. First, there is that of carry-over: the committee elects from its number three students to serve another year so that there will be students who have more than one year's experience. Second, the senior members, who are appointed by the Board of Stewards, serve for at least three years. Third, there is the effect of the staff of Hart House. The Warden is a member of all committees

(Continued overleaf)

The Presidential Advisory Committee on the Future Role of Hart House began its report (dated May, 1971, and published at the end of August) with the Prayer of the Founders which, cut into stone, graces the entrance to the Great Hall:

"The Prayer of the Founders is that Hart House, under the guidance of its Warden, may serve in the generations to come the highest interests of this University by drawing into a common fellowship the members of the several Colleges and Faculties, and by gathering into a true society the teacher and the student, the graduate and the undergraduate; further, that the members of Hart House may discover within its walls the true education that is to be found in good fellowship, in friendly disputation and debate, in the conversation of wise and earnest men, in music, pictures and the play, in the casual book, in sports and games and the mastery of the body; and lastly, that just as in the days of war this House was devoted to the training in arms of the young soldier, so in the time of peace its halls may be dedicated to the task of arming youth with strength and suppleness of limb, with clarity of mind and depth of understanding, and with a spirit of true religion and high endeavour."

This was followed by a quotation from *An Uncommon Fellowship. The Story of Hart House* by Ian Montagues (University of Toronto Press 1968):

"To enter Hart House is to enter a life of more than normal richness: a building that is light, textured, and lovingly detailed; fellowship, founded in good humour and common interests; open opportunity to train limbs and mind, to refresh body and senses, to play, to pray, to enjoy good music, to paint and live with paintings, to read, to tangle in debate, to sit quietly . . . to engage in discovery and communion."

### INTRODUCTION

The Prayer of the Founders states the aims of the House. The prayer is a philosophical statement about education, which the Rt. Hon. Vincent Massey, C.H., the principal founder, saw as more than the mastery of a particular discipline of study to meet the test of admission to a degree. The conception of the House is that of a learning place where members may develop their abilities and follow their interests without the formality of classes, examinations and grades; the view that people in a university have much to learn from the world that cannot be taught in the formal course; the notion that students, faculty and alumni can learn from each other when they meet as equals in pursuit of common interests; these ideas, which are concisely expressed in the prayer, have been the inspiration of the life which the House has created. They have served it well.

### CHAPTER I: The essential function of Hart House: informal education.

The education which the House offers its members is based on "free" as opposed to "required" use of time. It provides an environment in which a person is encouraged to employ his free time enriching his experience and rounding out his understanding of himself and his society. The life of the House provides for the use of leisure in a way that approximates the description of "genuine leisure" which Northrop Frye presents in *The Modern Century* as "not sheer idleness and distraction but rather a facing up to the test of inner resources that spare time poses." This creative use of leisure was seen by Mr. Massey to be a primary goal of education and one which was so important that it needed a permanent home. The very use of the word "house" in naming the building carries with it the idea of leisure and fellowship.

The design of the building also embodies this idea. There is no imposing central foyer so characteristic of public buildings, nor is there provision for masses of people either to stream busily in all directions or to stand and hear the word of the leader. This House is a place which invites each person to find the kind of leisure activity which satisfies his special needs and which draws him into conversation with others of like mind. Throughout the life of the House there runs this same theme: an active use of leisure which is sometimes described as general education. President Bissell, speaking in 1965, expressed this characteristic in these words:

"Other universities make general education the responsibility of formal instruction. In this university we have assigned it to institutions like Hart House and the results are writ large in the life of the nation."

Hart House offers no published curriculum. Rather it provides learning experiences which are, in purpose and essence, "educational" in the truest sense of the word, although the word itself is never mentioned.

The way in which this education func-



# Propose that House retain autonomy and admit women

(Continued from page 3)

and a second staff member is assigned to each. They bring forward suggestions from many quarters, and help the committees to understand the traditions and practices, which may appear formidable to the uninitiated. In the matter of continuity then, students, senior members and staff all play a part. This combination has enabled the House to continue traditions of proven value, to abandon those which are no longer appropriate and to build on the success of preceding generations.

Much of the vitality and stability of this organization derives from the electoral system and the responsibility thereby established. In Hart House most of the members of the Music Committee, for instance, are elected and their authority in the musical life of the House is accepted. By contrast, in most student unions in other universities, a governing board, which may be elected, appoints a Music Committee. Such a committee owes its life to the Board and is relatively weak. For instance, when an appointed committee must go cap in hand for funds to the Board which appointed it, vociferous dissidents can bring pressure on that Board for having appointed the wrong people. In the case of Hart House, the secretary of the Music Committee has been elected by his constituents and sits by right on the Board of Stewards. When the quality of music is challenged, the members of the House know that the matter will be settled by a committee responsible to the electorate. The results are often surprising. For example, when the Music Committee recently became embroiled in a dispute about the relative merits of classical and popular (rock, jazz, folk ...) music, the committee considered the evidence, which showed that more people attended classical concerts while other kinds drew smaller attendance at greater cost. After extensive debate a resolution of the problem was accepted by the membership of the House because they recognized the authority of the committee. Such responsibility is entrenched in the practices of the House.

With such a large number of committees, each of which feels itself responsible in its own sphere of operations, any conflict between these groups must be resolved quickly if the system is to work. The Board of Stewards, of course, is the final court of appeal but disagreements are usually settled informally. The Warden and his staff are continually on the lookout for emerging disputes and will move to bring the parties together for talks before firm positions are adopted. All committee members are encouraged to meet informally over lunch and the contacts here between members of different committees develop mutual understanding; such discussions often initiate joint projects of an "inter-disciplinary" sort. These measures, which are based on careful attention to the work of each group, have engendered an atmosphere of trust which is a key factor in the success of the House. This confidence is shared not only by the members of the House working through their committees but also by the University which has entrusted to the House the management of its own affairs. The House has responded to this autonomy with a remarkable sense of stewardship of its property and a vigorous and far-reaching program of activity.

The principal constitutional force in Hart House is the minutes of the committees. Practice or custom is more important than a formal written constitution and the House proceeds by a common law process where precedent is binding only until it is changed. From this flexible arrangement has arisen the ability to move with the times. For instance, a billiard room was quickly made into a lunch room when large numbers of students needed a place to eat. A few years later the same lunch room was opened to women on the campus although the House was "for men only." These and many other changes were brought about without any complicated constitutional amendment procedure. They were done by majority vote in committee.

The members of your advisory committee recognize the importance of the large measure of autonomy which the House enjoys and the common law tradition which has enabled it to be flexible in its responses to the community and we believe that these characteristics are of great value to the university.

Our second recommendation is that the University continue to encourage the House to maintain its autonomy and that the University assist the process of change as determined by the elected committees and the Board of Stewards.

## CHAPTER III: Hart House in the University of the future

Our consideration of the future of Hart House is based on some assumptions about the course of development of the University

as a whole. We received several briefs which included such forecasts and some of the trends they discussed are particularly important to the House.

In the teaching process of the University we believe that the revision of curriculum in arts and sciences sets the direction for the next few years. More and more students will have greater freedom in choosing their courses. Since society demands experts there will be a tendency toward increasing specialization. Therefore, we see an even greater need for the application of resources to encourage meetings between people from different disciplines. In this atmosphere the informal contacts fostered by Hart House will have great importance.

The report of the Commission on the Government of the University of Toronto has stressed the importance of the devolution of authority. That report points out the special characteristic of standards of efficiency as applied to a university (see section II of that report) in the following words: "If universities are to be judged efficient or not, it must be by this standard: the effectiveness with which they help human beings grow." Despite the arguments for cheaper education as a result of central control, we have seen that the multi-versity fails unless it includes strong social units, and such strength results most surely from an independence which is real and manifest.

Your committee has also considered several trends which are now appearing in society at large which will have a strong effect in the university. Whereas a few years ago formal education was largely provided for "young people," now a steadily growing number of people of all ages appear on our campus as students. There will be an increasing number of students who are married and for whom recreation is a family matter. The average age of the student population is rising and will continue to rise. For a great many people, the university will no longer be "the end of education" but rather a resource which is used throughout adult life. The term "drop out" as applied to higher education is already out of fashion. Students "drop in" and "drop out" according to their circumstances at any time of their lives and they will want education appropriate to their understanding of life and society — an understanding which results from years of experience as a participant in that society.

Such pressures will lead to increasing flexibility in matters of curriculum. The content of courses of study will be subject to constant demand for change and updating. In the same way there will be increasing requirements for changes in the programs of informal education offered in Hart House. To achieve the required flexibility, the House will need a substantial amount of organizational and financial independence.

In this changing context of students and interests the extra-curricular aspects of the University are likely to grow in importance as many of the present distinctions between formal and informal instruction disappear.

Students will become increasingly involved in events which have a wide area of interest such as art festivals, conferences on social problems, group action and studies of current problems and ethical issues. For such events the University will draw on many people from society at large to lecture, to lead seminars and generally to teach in an expanding area of informal education. With such developments the relationship between student and faculty will also change. Their association will be based more on social compatibility and community of interest and less on a role defined by university authority.

The House will be subject to demands for substantial changes in the character of its events and in the programs which it offers. Many of these changes will evolve naturally and the representative character of the government of Hart House with its flexible common law tradition will continue to foster orderly development and growth. There are, however, some necessary major changes which are beyond the powers of the Board of Stewards and the committees to effect and it is to these particularly that we would direct the attention of the University.

## NEW BUILDINGS

The trends in population and interests in the University which we foresee suggest a steady growth in the importance of informal education and recreation and, consequently, demand increasing space in which such programs can be carried out. Hart House was built to serve the needs of a community less than a quarter the size of the present University. Any realistic assessment of the future of the House will involve considerations of space.

The first area of concern is the athletic

side of the House. The life of Hart House is made up of a balance of social, intellectual, artistic and athletic experience in which each element makes an important contribution to the whole. At present the North Wing of the House, used as the main centre of the men's athletic program of the University, is totally inadequate for this purpose. The need for new athletic facilities has been fully documented in reports of other committees and we are confident that the University will move with all possible haste to build a new men's athletic complex.

Our second concern is that the House may be unable to develop its own life as it tries to meet general demands for space from all quarters. The House is now the principal centre for meetings in the University and by force of circumstances is doing double duty as Hart House and as a "campus centre." Although the House is a flexible and functional instrument which has adapted successfully to changing conditions, there are limits to what it can do. It now provides meeting space for a wide variety of organizations and also serves as a home for University ceremonial events. These services are of use to the University but many of them do not add to the life of the House and there is a clear danger that this life may be submerged under a demand for "service." In such an event the House would become merely a campus hotel and its prime requirement for staff would be a competent reservations clerk. Important as it is for the House to provide service, it has been and should continue to be much more than a "service station."

The creation of a campus centre has been recommended by the Students' Administrative Council and the University has expressed strong interest in this proposal. Such a centre would relieve the pressure on Hart House to accommodate almost every organization on the campus.

In our first recommendation we emphasized the importance of the educational role which the House has played and should continue to play in the future. In order to discharge this obligation adequately the House will need to be relieved of the stress imposed by the demand that it be all things to all people. Because of the relatively small amount of space in the athletic wing it cannot continue to be the main area of activity in Men's Athletics and Physical and Health Education; nor for similar considerations of space and organization should the House be required to serve all the needs of the burgeoning complex of University clubs, committees and organizations. To continue in such a manner would be to force the House into a purely service function, with a consequent serious loss to the educational resources of the University. For these reasons we strongly support the intention expressed by the University to proceed expeditiously with the building of both a new men's athletic complex and a campus centre.

## WHO SHOULD USE HART HOUSE

Originally, in order to make quite clear the question of who would use the House, the Deed of Gift under which the House was given to the university included this provision: "that save for special occasions, Hart House shall be for the exclusive use of the male members of the University, its graduates, undergraduates and members of its Faculties."

In general this means full-time male students (nearly all of whom pay a fee levied by the University), together with those alumni and male faculty who elect to join.

The Founders' concept was to create a sense of community. In his speech at the opening dinner in 1919 Mr. Massey said that Hart House would provide a common life that would give the student "a real sense of membership in an academic family." At that time men and women did not mingle as full partners in the University so when the House was founded there may have been a justification for defining a masculine fellowship.

In 1971, however, there is wide agreement that there can be no real sense of membership in an academic family which does not take into account the co-educational nature of that family. Over the years the House itself has made many changes. As the place of women in society generally has altered, the Board of Stewards and the committees have made changes which have taken the practice of the House regarding women further and further from its starting point. From the beginning, dances were special occasions, but there were soon added Sunday Evening Concerts, Visitors' Days, Art Gallery Days, and more recently many other activities, until the House is now open to women most of the time.

In the course of our deliberations we have consulted the various committees of the House as well as the general member-

ship at open meetings. All of these committees, and almost all of the other groups who have appeared before us, have recommended that women be admitted to membership and this opinion appears to be supported by most members of the House.

The admission of a large number of new members poses serious problems for the House and the University. When women are admitted they should be entitled to all the advantages of Hart House which the men now enjoy, with the exception of the athletic facilities pending the completion of the new men's athletic complex.

The admission of women to membership also poses a legal problem. The House is constrained by the Deed of Gift, an agreement between the donors and the University, over which the government of the House has no control.

Whether or not the historical reasons for the exclusion of women were appropriate at the time the House was founded, we believe that they do not apply today. Therefore, we support the position that women of the University be full participants in Hart House.

Our third recommendation is that the University take immediate action to admit women to Hart House as members with the same status as men.

## PART-TIME STUDENTS

The number of students attending the University on a part-time basis has increased steadily and as we suggested in our consideration of the future context of the University, will continue to increase. At present there are two major groups: the first made up of students taking non-credit courses offered by the Division of Extension and for which there are no admission requirements; the second made up of students proceeding to a degree. Both groups are students at the University, but traditionally the non-credit classes have not been regarded as part of the University in the same way as students proceeding to a degree.

In 1961 the University considered this problem and the position of Hart House was set out by the Warden in a memorandum to the Board of Governors. The concluding sentence of that document sums up the policy which it advocated: "I, however, believe it is desirable that all students on this campus, during winter or summer and male or female, should be provided with the maximum of facilities on as equitable a basis as possible and that it is a perfectly reasonable proposal to assess all such students a nominal fee to cover the costs."

After consideration of this proposal the Governors passed the following motion on April 27, 1961: "RESOLVED that Hart House establish membership fees for part-time students, such fees to become effective as of July 1, 1961, and to be independent of any other incidental fees which might be levied against part-time students."

This resolution was only partially implemented. No change was made with respect to part-time male students proceeding to a degree during the winter session, who may elect to join the House on payment of the same fee as charged their full-time counterparts. However, a new arrangement was made for students attending summer courses. It was agreed that during the summer of 1961 both men and women should be permitted to use the House, but since women could not be members, a general service fee was levied on all summer course students, men and women, of which the House received two-thirds as a contribution towards its cost of operation during the period. This practice has continued.

When women are admitted to membership in Hart House different considerations will apply; all part-time students including women could then become members in the full sense of membership enjoyed by full-time students. Your committee agrees with the policy recommended by the Warden and adopted by the Governors of the University in their resolution of April 1961.

Our fourth recommendation is that summer course students be members of Hart House and that subject to the current review of their status, part-time students be members of Hart House.

## ADMINISTRATIVE AND SUPPORT STAFF

The House was founded to foster a sense of community in the university but many of the people who fall within the Commission on University Government definition of "university community" belong to the "administrative and support staff", who under the terms of the Deed of Gift cannot be members of the House. We have received representations on behalf of these groups and have also found sympathy for their admission on the part of committees of the House.

Since the University is planning to build



# Some plans depend on a new men's athletic building

both a new men's athletic complex and a campus centre, the pressure on Hart House will be relieved and we believe that the membership of the House could then be enlarged, without destroying the values on which its success is based. Indeed, the eventual inclusion of the whole University community would add to the development of the life of the House and would contribute to the educational experience offered by the University.

Our fifth recommendation is that the University accept the principle that all members of the University community be encouraged to participate in Hart House and seek to secure the changes necessary to permit persons on the administrative and support staff who wish to do so to become members on the same basis as alumni and faculty.

## CHANGES IN PROGRAMS

Increased membership and use will bring many developments in the life of the House, some of which are appearing already.

These will include a growing number of events for families, and with a rising average student age, new services, such as the provision of alcoholic beverages as a regular part of our catering, will have to be added. We can see such a trend during the summer when for six weeks the program is shaped to serve the interests of older students. Some of these changes have been drawn to our attention through briefs and discussions.

In the coming years the House will develop closer ties with the public. An increasing number of people from outside the university will be invited to take part in events. Artists in residence and poets in residence may well be joined by other creative people who can spend time with students.

There are a number of projects now under consideration which show great promise. The very successful student exchange pattern which has been developed between Hart House and Finland can serve as a model for further exchanges, some with other universities in Canada. Student film makers are in search of a home which would could well be in Hart House. Innovations such as these augur well for the growth of interests and programs based on fresh ideas and initiatives.

## NORTH WING

We understand that when a new men's athletic complex has been built, the University of Toronto Men's Athletic Association will move their offices and activities to that building. Although locker rooms in Hart House will be required for teams using the adjacent playing field, most of the North Wing will be available for new programs.

Two views of the future use of the North Wing have been considered by your committee. One arises from the consideration

which the committees of Hart House have given to this problem, and the other comes from the Men's Athletic Association.

The Board of Stewards and the committees of the House have studied their needs for space and have evolved a general plan of redevelopment. Based on an expanded membership and new programs of activity, it includes retention of the pool, locker room, showers and squash courts, which with the addition of a sauna would provide on one floor an area devoted to casual athletic programs for both men and women.

The ground floor and the second floor would be converted to other use. Many of the committees and clubs are now seriously hampered by lack of suitable space. A proposal by the Art Committee provides an example of how the use of space in the North Wing would contribute to informal education and recreation in Hart House.

When the art gallery was opened it was adequate in size for most exhibitions of Canadian paintings. Since that time, however, the number of Canadian artists and the volume of their work have grown enormously. Whereas the gallery was an important display area forty years ago, it is now too small to cope with the major exhibitions of works of Canadian artists. A new gallery on the second floor of the North Wing would provide an adequate room for exhibits, as well as areas for arts and crafts activities which once flourished but were pushed out by competing demands for space.

Similar considerations apply to the camera club and many others which have long endured cramped quarters. Space could also be given to new groups such as student film makers who have for some time been clamouring for accommodation.

This would still leave a large area on the ground floor for multi-purpose use. There is a continuing demand for meetings, conferences and social events in numbers slightly larger than can now be accommodated. The ground floor of the North Wing would be remodelled to provide excellent facilities for such events.

The Board of Stewards and the committees have prepared plans for redevelopment along these general lines. In our view the assessment of needs in these plans is realistic and their execution would be to the University's advantage.

The Men's Athletic Association stressed the need for recreational athletics. It expressed doubt that, even with the proposed new men's athletic complex, there would be adequate space to meet this need, and observed that no university of more than 18,000 students on this continent has been able to meet the demand for physical recreation. This argument suggests that even with a new men's athletic complex there would still be an important use for the gymnasium in Hart House, not as an overflow

area for organized programs but as the home of more casual athletic recreation.

In view of the cost of renovation, and in consideration of the general demand for physical recreation, it appears desirable to proceed experimentally in the North Wing. When the Men's Athletic Association moves out, a certain amount of space now used for business offices would be released for other use, but the main gymnasium, pool and locker-shower areas should be used for new programs of recreational athletics. At the end of a trial period of about five years, an assessment of the success of and need for the program should be made. If, at that time, the use of the North Wing for casual athletics appears less important than the redevelopment suggested by the Board of Stewards, the plans for remodelling can be implemented.

Our sixth recommendation is that, when the Men's Athletic Association moves into its new premises, the Board of Stewards arrange to use the north wing for casual athletic programs which should be co-educational and that at the end of a trial period of not longer than five years the use of the north wing be re-examined by the Board of Stewards.

## PRESSURE FOR SPACE

When the membership of the House has been expanded there will be a substantial increase in committees, clubs, informal groups and events which make up the life of the House. These activities, generated by the members of the House, will naturally have first call on space. Since there is likely to be a period in which the House is meeting the demands of an enlarged membership before new buildings are opened, an acute problem of space allocation in Hart House is predictable. It is our view that when faced with the problem of conflicting demands, the House must provide first for its own needs and thus will force a number of organizations now using the House for meetings and other activities to find accommodation elsewhere.

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In its chapters (IV) The financing of Hart House, (V) The Warden and his staff, (VI) Relationship with other organizations, and (VII) Special problems, the committee included these recommendations:

Our seventh recommendation is that the present methods of financing be continued for the time being with all student members of the House, men and women, paying their membership as part of "Incidental Fees," and further that the University study the question of financing with the intention of developing a solution consistent with our second recommendation which would allow all students and staff to use the House on an equal basis, as part of the educational resources of the University.

Our eighth recommendation is that the University help the House to find the re-

sources to enlarge and improve its staff in keeping with the increased responsibilities which it has assumed and will be called upon to assume.

Our ninth recommendation is that the policy of Hart House Theatre be the responsibility of a committee made up of students, faculty and alumni representing the organizations on the campus which are active in theatrical arts and representatives from the Board of Stewards, without prejudice to the continuing interests of the Centre for the Study of Drama.

Our tenth recommendation is that the University assist the Board of Stewards to effect such changes in the committee system as the Board of Stewards deems advisable.

Our eleventh recommendation is that the University help the House to find the resources to discharge the responsibility consequent upon custody of a major collection of Canadian paintings.

Our twelfth recommendation is that the University adopt the Report of the Farm Committee and assist the House with its implementation.

Our thirteenth recommendation is that the University develop a general food service policy in which Hart House can take an equitable part.

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## CONCLUSION

Throughout our investigations, we have been impressed with the continuity of purpose which the House has followed and the flexibility which it has shown in adapting to changing circumstances. Although each new generation of students finds some of the traditions old-fashioned, and although each generation maintains some customs and changes others, the delight in music and poetry and painting, the joy of debate and good conversation, the pleasure of meeting in a congenial atmosphere students of other disciplines and interests, continue to be central to the life of the House and important to the University. Ian Montagnes at the conclusion of *Uncommon Fellowship* reflects many of the feelings of your committee at the conclusion of their study of Hart House:

"Certainly it is the most vital symbol of the ongoing academic community of Toronto — a beautiful building to house the university's ceremony; a meeting place for students, faculty and graduates; a site of memories for thousands of alumni who recall a concert, a recital, a favourite painting, a door opening to new insight, perhaps a chance meeting at a dance which led to marriage. It remains a centripetal force on a campus of massive enrolments and fissioning disciplines. It is a centre of continuity, of freedom, of tolerance, of exchange, of the humane pursuits which are the distinguishing features of a university. It is above all a house dedicated to the fostering of true education in a most uncommon fellowship."

# Problem of PhDs' employment is still 'of sizeable dimensions'

While the employment prospects for holders of Ph.D.s in Canada are not as critical as they are in the United States, "there is still a problem of sizeable dimensions", the Council of Ontario Universities reports in the summer issue of its *Monthly Review*.

"Our Ph.D. pipeline is not as full and we have not yet reached the near-saturation level of enrolment which has been reached in U. S. universities", the report says.

"One paper on present employment of Ph.D. holders in 1970-71 showed that positions are harder to find, unemployed are about 6 per cent. nationally (this compares favourably with the general economy) in contrast to a one per cent. average for the period 1964-69, and there is a decline in the proportions finding university and industrial positions. Entry into positions of college and school teaching, consultancies, and certain business opportunities seems to be on the increase. . . .

"Taking all the present evidence into account, the consensus was that specific recommendations about providing incentives and restraints to control graduate enrolment in Canada should be delayed at least until the 1971-72 enrolment figures are known this fall. It is suspected that market signals are being heard by prospective graduate students and restraints and disincentives might

indeed be counter-productive in their effects. . . .

"With our already too low production of persons qualified for university teaching of certain social sciences, we may be in danger of exacerbating an already dangerous condition of under-supply of home-grown university teaching talent. . . . Short-term measures are not appropriate for the adjustment of conditions which may be in fact more normal than abnormal. Decisions on graduate intake now which will produce peak effects in 1980 should not be taken lightly."

The report was prepared after a two-day meeting in July sponsored by the COU, at which were present representatives of the Science Council, Economic Council, Canada Council, National Research Council, Medical Research Council, Science Secretariat, Bureau of Statistics, Department of Manpower and Immigration, Canadian Union of Graduate Students, Ontario Department of University Affairs, Ontario Committee on University Affairs, Ontario Confederation of University Faculty Associations, and the Ontario Institute for Studies in Education.

Papers were given by Alan M. Cartter, Chancellor, New York University; Frank Kelly and Arch Boyd, Science Council of Canada; Peter Ross, Department of Manpower and Immigration; Max von Zur-Muehlen, Economic Council; Mel Preston and Bert Hansen, Council of Ontario Universities.

# STAFF NOTES

## Arts and Science

DR. W. J. SAMARIN received a travel and research grant to examine nineteenth-century governmental and missionary archives in France and Switzerland in investigating "The Emergence of Sango as a Lingua Franca in Central Africa"; was an invited participant of the Centre National de la Recherche Scientifique at its Colloque International sur les Methodes d'Enquête et de Description des Langues sans Tradition Écrite (Nice, June) at which he read a paper on "Semantics Without Native Intuition".

PROF. J. D. FERNIE recently gave talks as follows: On April 16 at the Warner and Swasey Observatory on "The Historical Quest for the Nature of the Spiral Nebulae", and to the Cleveland Astronomical Society on "Determining the Distance to the Sun — Past and Present"; on May 14 at the meeting of Canadian Astronomers in Victoria, B.C. on "UBV Photometry of R Cr B"; on July 7 and 8 at a Conference on Variable Stars at Los Alamos, N.M., on "The Existence of Stable Stars in the Cepheid Variability Strip" and "A Search for Pulsation in R Cr B".

PROF. R. F. GARRISON has spent the month of August collaborating with DR. W. W. MORGAN at the Yerkes Observatory.

PROF. J. F. HEARD visited the Observatories of Marseille and Haute Provence in April collaborating with PROF. CH. FEHRENBACH there. On May 14 he presented a paper on "Selection of 9th Magnitude Standard Radial-Velocity Stars" at the meeting of Canadian Astronomers in Victoria. Prof. Heard was elected rapporteur of the Interdisciplinary Division of Section III of the Royal Society of Canada at its Ottawa meeting on June 9.

PROF. HELEN S. HOGG was elected president of the Canadian Astronomical Society at its founding meeting at the University of Victoria on May 15. PROF. R. RACINE is secretary.

PROF. P. P. KRONBERG presented a paper on "A Study of 3C 452 and 3C 270" at the meeting of Canadian Astronomers in Victoria.

PROF. D. A. MACRAE visited Chile for two weeks in February in connection with the erection of a University of Toronto telescope at Las Campanas. On April 16 he gave a colloquium at the Physics Department of the University of Guelph on "What We Can Expect from the New Telescope in Chile".

PROF. J. R. PERCY gave a talk to a Workshop of the Department of Education of Ontario on "Activities in Astronomy for Secondary School Teachers" on March 19.

PROF. R. RACINE presented a paper on "UBV Photometry of Globular Clusters in M87" at the meeting of Canadian Astronomers in Victoria on May 14. He spent a month this summer at Las Campanas Observatory in Chile installing and adjusting the University of Toronto telescope there.

PROF. R. C. ROEDER began a sabbatical leave as guest astronomer at the Kitt Peak National Observatory in Arizona.

PROF. E. R. SEAQUIST gave a paper on "A Quasar with an Unusually Strong Magnetic Field" at the meeting of Canadian Astronomers in Victoria on May 14.

PROF. S. VAN DEN BERGH gave a paper on "The Post-Eruptive Galaxy M82" at the meeting of Canadian Astronomers in Victoria; on Aug. 17 he gave a colloquium at the NASA-Ames Research Centre in California on "Observations of Distant Galaxies";

(See page 8, col. 3)



## Events to mark 50th anniversary of discovery of Insulin at U of T

As part of its celebration of the 50th anniversary of the discovery of Insulin, the University of Toronto is to confer honorary degrees on seven medical scientists whose research was concerned with Insulin or related subjects. At the same Special Convocation on the evening of October 26, Dr. Pauline McGibbon will be installed as Chancellor.

Many other events are being organized, both within and without the University to mark the anniversary of the occasion when, in 1921, Dr. (later Sir Frederick) Banting and his medical student assistant Charles Best showed for the first time proof that the pancreas did produce an internal secretion and that this hormone, which they first called Isletin, and then Insulin, did have the power to control diabetes in dogs.

Among the major happenings, there is to be a three-day symposium on Insulin Action, attended by some 200 invited scientists from many parts of the world. Then, on October 27-28, there will be a Refresher Course for Physicians on Diabetes and its Control. In the Toronto Academy of Medicine, nearby, there will be an exhibition of the late Sir Frederick Banting's paintings. In the Memorial Lobby of the Medical Sciences Building a bust of Dr. Charles Best will be unveiled (there is already one there of Sir Frederick). In the University of Toronto Library there will be an exhibition of documents and books, arranged by the Rare Books Department.

A plaque that will commemorate the discovery of Insulin will be unveiled at a place near the site where the original work was done (the old Faculty of Medicine building where this happened was recently demolished to make way for the present Medical Sciences Building). The plaque has been designed on instructions of the Archeological and Historic Site Board of the Department of Public Records and Archives of Ontario.

The following persons will receive Honorary Degrees of Doctors of Laws: Dr. Robert Davies Defries of Toronto; Dr. Knud Hallas-Møller of Holte, Denmark; Dr. Maurice Edward Krahl of Stanford University, California; Dr. Peter Joseph Moloney of Toronto; Dr. David Alymer Scott of Toronto; Dr. George Ballard Walden of Indianapolis; and Dr. Hans Christian Hagedorn of Gentofte, Denmark.

Dr. Defries, a specialist in bacteriology, was closely associated with the development of Connaught Medical Research

Laboratories of the U of T and director, 1940-55, during which period he also directed the University's School of Hygiene.

Dr. Hallas-Møller has contributed much to the field of Insulin science but is best known for his work in developing three forms of Insulin, known as the Lente forms, of which two are long-acting and reduce for some diabetic patients the number of injections required.

Prof. Krahl, a biochemist and physiologist, is best known for his work on the influence of Insulin on fatty tissue and for his original discovery of the effects of Insulin on protein synthesis in the test tube.

Dr. Moloney is internationally known for his discovery, reported in 1955, that Insulin functions as an antigen, in much the same way as toxoids and vaccines, and for the development of ways to counter in some patients the production of antibodies. In fact, his whole scientific career has been devoted to toxins, toxoids and anti-toxins and much of the success achieved by the Connaught Laboratories in developing agents against diphtheria and other infections was the result of his work.

Dr. Scott made major contributions to Insulin science as a chemist. He developed new processes for the extraction and purification of the hormone and later discovered the vital part that trace quantities of metals such as zinc, nickel, cobalt or cadmium play in the production of crystalline Insulin. With an associate, he showed the role such metals can also play in stabilizing Insulin and controlling its release into the blood stream.

Dr. Walden, also a chemist, was for many years associated with the Eli-Lilly Company of Indianapolis, which worked very closely with the Connaught Medical Research Laboratories of the University of Toronto in developing both new forms of Insulin and better ways to mass-produce them. Perhaps his most notable contribution was the discovery that Insulin has a so-called iso-electric point, a fact that enabled so-called iso-electric precipitation to play an essential role in preparation of the material.

Dr. Hagedorn is remembered primarily as leader of the group in Denmark that produced the first long-acting Insulin, but his fame goes back long before the discovery of Insulin to his association with the early procedures for the all-important determination of blood-sugar levels.

Neither Dr. Walden nor Dr. Hagedorn will be able to attend the ceremonies and will be awarded their degrees in absentia.

## COMING EVENTS

### SEPTEMBER

#### 16 THURSDAY

SAC Festival

Admission charge, proceeds to Pollution Probe. Music on Back Campus, Friday, 7.30 p.m. to 1 a.m. Participants in Thursday afternoon workshops include Paul Hellyer, Tim Reid, Walter Pitman, Allan Lawrence. Films, free food, booths for campus clubs. Workshop on Sex and Contraception Thursday and Friday.

#### 20 MONDAY

Lecture  
*Medicine*

"Translation of Mammalian mRNA". Dr. M. B. Mathews, MRC Laboratory of Molecular Biology, Hills Rd., Cambridge. 114 Charles H. Best Institute. 4 p.m. (Pathological Chemistry)

#### 21 TUESDAY

Lectures  
*Literature*

First of "Metaphor" lecture series — "Shakespeare and the Study of Metaphor". Robert Weimann, Humboldt University, Berlin. 106 U.C. 4.30 p.m. (Graduate Program in Comparative Literature)

*Metallurgy*

"Electron Microprobe Techniques, Present and Future". Dr. K. F. J. Heinrich, National Bureau of Standards, Washington. Room 116 Wallberg Building. 3 p.m. (SGS and Metallurgy & Materials Science)  
"A Spectrophotometric Study of Single Crystals in Ceria, Urania and Thoria". Dr. T. R. Griffiths, Department of Inorganic and Structural Chemistry, University of Leeds. Room 116 Wallberg Building. 3 p.m. (SGS and Metallurgy and Materials Science)

#### 22 WEDNESDAY

Lecture  
*Metallurgy*

"Transmission Electron Microscope Studies of Moon Rock". Dr. G. W. Lorimer, Department of Metallurgy, University of Manchester, Eng. Room 116 Wallberg Building. 3 p.m. (SGS and Metallurgy & Materials Science)

#### 23 THURSDAY

Lectures  
*Computer Science*

"Recent Developments in Efficient LR(1) Parsers". Dr. J. Eve, Computing Laboratory, University of Newcastle-upon-Tyne. 203 McLennan Physical Laboratories. 3 p.m. (Computer Science)

*Music*

"Music Therapy in Advertising". Ben McPeck. Concert Hall, Edward Johnson Building. 2 p.m. Free. (Music)

#### 24 FRIDAY

Lecture  
*Chemistry*

"The Geometry of Intersecting Potential Surfaces". Prof. Tucker Carrington, York University. 158 Lash Miller Chemical Laboratories. 4 p.m. (SGS and Chemistry)

Supper

Faculty Club Buffet Supper, 6-8.30 p.m. Reception, 5.30-6 p.m.

#### 26 SUNDAY

Music

David Mankovitz, viola; John McKay, piano; Gloria Agostini, harp. Program: Seymour Barab, Arthur Benjamin, Arnold Bax. Concert Hall, Edward Johnson Building. 3 p.m. Admission \$3. (Music)

#### 28 TUESDAY

Lecture  
*Literature*

"Metaphor" series — "Genesis and Genealogy in Nietzsche's *Birth of Tragedy*". Paul de Man, Yale University. 106 U.C. 4.30 p.m. (Graduate Program in Comparative Literature)

#### 29 WEDNESDAY

Seminar  
*Libraries*

Seminar on Library Associations — representatives from six organizations of interest to librarians will describe their associations and answer questions. Chairman: R. H. Blackburn, Chief Librarian, U of T. All interested are welcome. Auditorium, Medical Sciences Building. 7.30 to 10 p.m. (U of T Library)

#### 30 THURSDAY

Seminar  
*Environment*

"Environment and the Technological Order" (a sociological analysis of the environmental issue with respect to technology). Prof. F. H. Knelman, Sir George Williams University. 211 (Council Room) Mill Building. 4 p.m. (Environmental Sciences and Engineering)

Lecture  
*Music*

"String Pedagogy and Its Relation to Quality Education". Prof. David Mankovitz. Concert Hall, Edward Johnson Building. 2 p.m. Free. (Music)

## His old university will confer an 'earned' degree on Roy Ellis

Dr. Roy G. Ellis, chairman of the Health Sciences Council, on Oct. 1 will receive the earned degree of Doctor of Dental Science from the University of Adelaide, South Australia, from which he graduated as a Bachelor of Dental Science 45 years ago.

The D.D.Sc. degree is an "earned" one because the University of Adelaide does not give honorary degrees. The regulations for the degree require a thesis or a series of papers which set out advances in dental knowledge or practice. Adelaide's invitation to Dr. Ellis to accept the D.D.Sc. was based upon an examination of his published papers and the text book of which he is the author.

Dr. Ellis will deliver an address after he receives his honour, which will be conferred at a special Commemoration Ceremony, the Adelaide equivalent of Convocation. The occasion will be the 50th anniversary of the establishment there of a Faculty of Dentistry.

After two years of dental practice in Adelaide following his original graduation, Dr. Ellis came to Toronto to study for the Doctor of Dental Surgery degree, which he received in 1929. In 1942 he won the degree of Master of Science in Dentistry. He is a Fellow of the American College of Dentists, a Fellow in Dental Surgery of the Royal College of Surgeons of England, and holds the honorary degree of Doctor of Laws from the University of Western Ontario.

In 1931 Dr. Ellis became a full-time

member of U of T's dental teaching staff, professor of operative dentistry in 1945, and was Dean of the Faculty from 1945 until 1970, when he took his present appointment.

## Fellowships and funds available to faculty

*St. John's College, Cambridge  
Commonwealth Fellowship*

**Purpose:** To afford scholars holding academic posts the opportunity to pursue their own study and research.

**Value:** £500 a year.

**Duration:** One year, commencing October 1, 1972.

**Closing Date:** January 15, 1972.

*Royal Society  
Commonwealth Bursaries Scheme*

**Purpose:** To enable proven scientists to pursue research, learn techniques and follow other forms of study in the natural and applied sciences.

**Value:** Maintenance allowance £80 per month plus travel allowance.

**Duration:** Six to twelve months.

**Where Tenable:** Any Commonwealth country other than candidate's own.

**Closing Date:** March 15 for visits commencing the following July; September 15 for visits commencing the following January.

**Further Information:** Office of Student Awards, Room 106, Simcoe Hall.

## Appointed & Promoted

### St. Michael's College

Chairman of the Department of German for 1971-72, will be E. K. CATHOLY, and for the Department of English, D. J. DOOLEY. G. D. O'GORMAN will be acting chairman of the Department of French.

New appointments include JAMES MUNRO CAMERON who will be University of St. Michael's College Professor;

DANIEL DONOVAN, assistant professor (Religious Studies);

JOSEPH SABLE, associate Professor (French);

JEAN-CLAUDE SUSINI, assistant professor (French);

SISTER CAROLINE DAWSON, dean of Women, Loretto College;

ROBERT W. CROOKER has been promoted to professor (Theology);

Promoted to associate professorships are: BARRY F. BROWN (Philosophy) and FRANÇOIS DESROCHES (French).

The following have been promoted to assistant professorships: ROBERT J. FINK (French); JOHN J. L. HARTLEY (Philosophy); WALTER A. O'GRADY (English); SISTER MECHTILDE O'MARA (Classics); HENRY C. SIMMONS, c.p. (Theology).

On leave for 1971-72 will be P. B. BILANIUK (Religious Studies); R. B. DONOVAN (French); W. B. DUNPHY (Philosophy); CATHERINE GRISÉ (French) and A. RAKUS (Classics), the last named for the Spring Term.

### The Library

DONALD B. IMRIE has joined the Library staff as Director of Library Administrative Services. His duties will be to manage, within the approved policies and procedures of the University and the Library, the non-bibliographic fiscal and administrative functions of the Library relating to accounting and financial planning and control, purchasing, physical facilities, and management information systems. Mr. Imrie did his undergraduate work at McGill University in Chemical Engineering, and did further studies in related fields. He comes from a career in business management, where he has held both line and staff positions related to planning systems, budget planning and control, and other work which equips him to undertake this important new position.

ANDRÉ A. COSTIN will be Library Move Co-Ordinator. His duties will be to plan, direct, co-ordinate and control the move of library staff, material and equipment to the new Humanities and Social Sciences Research Library building, and the related moves involved in adjusting the present central library building to a new pattern of use. Mr. Costin is a graduate in Engineering from RMC, and has his MBA from McGill. His career includes four years in the Royal Canadian Engineers where he attained the rank of Captain, and business

(See page 7, col. 3)



## William G Saywell is chairman of Dept of East Asian Studies

William G. Saywell has been appointed chairman of the Department of East Asian Studies, succeeding Prof. A. K. Warder, who now heads the new Department of Sanskrit and Indian Studies.

Prof. Saywell took his early education in British Columbia, and his B.A., M.A. and Ph.D. degrees at Toronto. Graduate awards included Woodrow Wilson, Canada Council, and Foreign Area fellowships. He joined the staff in 1961 and last year was cross-appointed to the Department of History.

He has lived and studied in East Asia and has travelled extensively throughout the East and Southeast Asia, South Asia and the U.S.S.R. Prof. Saywell's main area of teaching and research interest is the history and politics of 20th century China, in particular the development of Chinese nationalism and contemporary Chinese foreign policy.

Recent scholarly publications include: "Modernization Without Modernity: Tai Chi-t'ao, a Conservative Nationalist" in *Journal of Asian and African Studies*, vol. V, no. 4, September 1970 and "Japan's role in the Pacific and China's Response" in *International Journal*, vol. XXVI, no. 3, Summer 1971. He has also published articles on the Cultural Revolution, Chinese Foreign Policy, the Chinese Revolution, as well as book reviews and papers to scholarly conferences. Prof. Saywell has frequently contributed to radio, television and press analyses of contemporary China and, full length series on China for national and educational television.

Prof. Saywell has devoted a good deal of time and effort over the last few years to closer links between Asianists at the University and the High Schools, pro-



Professor Saywell

moting the introduction of Chinese and other areas of non-Western history into the High School curriculum.

Among his objectives as the new chairman of EAS are the development of closer ties with other departments and disciplines in the University and as much contact as possible with both China and Japan.

Dr. Saywell is married and has three children. His wife Jayne works for the Ontario Department of Social and Family Services.

## W D Baines is new chairman of Mechanical Engineering

W. D. Baines has been appointed professor and chairman of the Department of Mechanical Engineering.

William Douglas Baines obtained his B.Sc. in Engineering Physics from the University of Alberta in 1947 and was awarded the Henry Birks gold medal in Engineering. He then enrolled in the Graduate School of the University of Iowa, where he obtained, first his M.S. and then his Ph.D. in Hydraulic Engineering.

In 1950 Dr. Baines was appointed assistant professor in the Department of Civil Engineering, Michigan State College, and one year later joined the Division of Mechanical Engineering of the National Research Council of Canada as a research officer. He headed the Hydraulics Laboratory there, 1954-59.

In 1959, Dr. Baines joined the University of Toronto as associate professor of Mechanical Engineering and became professor in 1966. He was appointed acting dean of Graduate Studies last year.

Dr. Baines is the author or co-author of some 30 research papers and reviews. Many of them deal with hydraulic phenomena associated with the processing of wood pulp. In the fields of thermodynamics and heat transfer, he investigated and established the parameters

governing the use of air bubbles to delay or prevent freezing in waterways and also studied the transfer of heat at walls exposed to turbulent flow; in the medical field, he joined with staff of the Hospital for Sick Children in a project aimed at improving the precision of blood pressure measurements within arteries.

W. D. Baines was admitted to the Society of Sigma XI in 1948 and to Tau Beta Pi in 1950. He received the J. C. Stevens Prize of the American Society of Civil Engineers in 1952 and received a National Research Council Senior Fellowship in 1968. He is a member of many professional committees and served 1964-71 as a member of the General Assembly of the International Union of Theoretical and Applied Mechanics. He was secretary of the Canadian National Committee of the Union 1964-68.

In May, this year in Calgary, Dr. Baines was chairman of the scientific committee of a joint symposium of IUTAM and the International Union of Geodesy and Geophysics on the subject of the flow of multiphase fluids in porous media, a matter that is relevant to the extraction of oil from porous rocks by steam injection.

Dr. Baine's research is currently supported by the National Research Council and the Pulp and Paper Research Institute of Canada.

### Bread and Puppet

The internationally celebrated Bread and Puppet Theatre will perform two plays, twice each, at Scarborough College next Sunday and Monday, Sept. 19 and 20.

*The Birdcatcher in Hell*, 2.30 p.m., Sunday and Monday, in Highland Creek valley behind the College, weather permitting; otherwise in the Meeting Place.

*The Grey Lady Cantata*, 8 p.m. each day, in the Meeting Place.

There is no admission charge for either production, which has been made possible by the support given by Scarborough College and the Varsity Fund.

## Appointed & Promoted

(Continued from page 6)

experience mainly in the area of scheduling and control.

E. EVERET MINETT has been appointed Director of Library Automation Systems at the University of Toronto Library. He will be responsible for the planning, management and operation of the Library's computer system and its related programs in order to implement plans for the automation of various library functions. Mr. Minett has had a distinguished career in industrial research and management. He did his undergraduate work at Toronto in Physics and Chemistry, and graduate work at MIT. He has worked on the development and application of computer systems at RCA and the Univac Division of Sperry Rand, and most recently at the Xerox Corporation at Rochester where for ten years he has held a series of senior positions relating to the structure and management of information.

The University of Toronto Library is pleased to announce the appointment of two librarians in its Science and Medicine Department.

MRS. FLORENCE DOIDGE joined the staff on Aug. 3 as librarian in charge of the Nursing Library. She has worked as a librarian in the Science and Technology Section of the Metropolitan Toronto Central Library and most recently in the Reference Section of the McPherson Library at the University of Victoria. Mrs. Doidge replaces Mrs. C. Reid who retired at the end of June.

On Sept. 1, MRS. LORRAINE GARRY will assume her position as assistant to the head of the Science and Medicine Department. This is a newly created position which will include assisting the department head with circulation automation. Mrs. Garry has an M.L.S. from the University of Toronto and comes to us from the Library at Centennial College of Applied Arts and Technology where she was responsible for circulation and reference.

### Medicine

Michael Robin Eastwood has been appointed assistant professor (Psychiatry), and also to the medical staff of the Clarke Institute of Psychiatry. He will be associated with the Institute's Research Section on Psychiatric Epidemiology.

Dr. Eastwood graduated in medicine from the University of Edinburgh, followed by internships and a year in neurosurgery in Edinburgh teaching hospitals. He then attended the University of London for postgraduate work in psychiatry at the Maudsley Hospital and the Institute of Psychiatry. He accepted posts in Australia and comes from the University of Tasmania, and the Royal Hobart and Royal Derwent Hospitals.

### Music

The following appointments have been announced in the Faculty of Music:

MELVIN BERMAN, assistant professor (Performance and Music Education), former principal oboe of the Montreal Symphony, the CBC Symphony (Montreal) and founding member of the Baroque Trio of Montreal. He is a graduate of Hartt College, University of Hartford, soloist, recitalist and chamber music player.

CARL MOREY, associate professor (History and Literature), formerly visiting associate professor here; Bachelor of Music, U of T; Ph.D. in Musicology, Indiana University; formerly head, Music Department, University of Windsor.

JAMES CRAIG, head coach and conductor (Opera), has been conductor with the Sadler's Wells Opera Company, the Vancouver Opera Association; Canadian Opera Company and conductor and Music Director of the Banff School of Fine Arts.

Promoted to the rank of professor are: GODFREY RIDOUT, acting chairman of the History and Literature Department during the sabbatical leave of HARVEY OLNICK; GUSTAV CIAMAGA, chairman of the Theory and Composition Department and head of the Electronic Music Studio;

ROBERT AITKEN, to associate professor in Flute and Chamber Music (Performance Department) effective Jan. 1, 1972;

DAVID ZAFER to assistant professor in Violin (Music Education and Performance).

### Library Science

SISTER FRANCIS DOLORES DONNELLY, who was librarian of Mount Saint Vincent University from 1957 to 1958, has been appointed associate professor. Prof. Francis Dolores has her B.A. in modern languages and B.L.S. degree from Mount Saint Vincent and the Master of Library Science degree from U of T. She is now completing her Ph.D. in library science at the University of Illinois. A native of St. John's, Nfld., Prof. Francis Dolores was a pioneer in adult and school library work in Cape Breton in a pilot experiment with Dr. J. J. Tompkins, widely known in the fields of library de-

velopment and adult education. Their pilot project led eventually to legislation to provide for regional library services in Nova Scotia. Prof. Francis Dolores has been active in professional associations and contributes frequently to scholarly journals in her discipline.

MRS. ADELE M. FASICK, formerly on the faculty of the Graduate School of Library Science at Rosary College, Oak Park, Ill., has been appointed assistant professor. She took her B.A. in English at Cornell, her M.A. in English and M.S. in library science at Columbia, and a Ph.D. at Case Western Reserve University, Cleveland.

### Connaught Medical

#### Research Laboratories

The following promotions, effective July 1, have been announced:

To Research Member: D. G. GLASS, L. A. ROBB, A. WOHLMAN;

To Research Associate: K. C. GUPTA, Z. K. KADANKA, F. C. WONG and G. ZALAN.

### International

#### Studies Program

THOMAS G. RAWSKI has been appointed to the Department of Political Economy as a specialist in the economics of modern China. His appointment, commencing with the 1971-72 session, has been made possible by a grant from the Varsity Fund to the International Studies Program. In making the request to President Bissell for the grant, the Program said that "there is a national need for Canadian scholarship, for informed Canadian comment and analysis, and for the provision in Canada of university instruction relating to modern China. The University of Toronto has already an exceptional concentration of scholars working on the language and literature of classical China but it is still extremely weak in regard to modern China." It stated further that the appointment of several social scientists on modern China is needed to supplement and complement the teaching done by PROFS. J. B. WHITNEY in Geography, J. J. GERSON and J. L. CRANMER-BYNG in History, and DOUGLAS JOHNSTON of Political Economy and Law.

Mr. Rawski's appointment makes it possible for the Department of Political Economy to offer courses relating to modern China for which there is a real student demand and a legitimate and proper interest. In the 1971-72 session, Mr. Rawski will teach one full undergraduate course, and two full graduate courses (one in conjunction with PROFS. DALES and FLOYD).

Born in Ithaca, New York, Mr. Rawski obtained his A.B. degree (cum laude) in economics from Cornell University and his M.A. from Harvard in 1967. Fluent in Chinese, Japanese and German, he has done research in Japan (1968-70) and in Hong Kong (1970). He is currently completing his Ph.D. thesis on "Production, Investment and Technology in China's Capital Goods Industries 1930-70" at Harvard University, and he also specializes in industrial development in Asian nations.

The Varsity Fund grant contains a generous appropriation for the purchase of books on modern China over the next three years, and these are now being obtained by the main University library, on the advice of Mr. Rawski.

## Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. Oral Examinations.

Friday, September 17

S. N. Umossien, Department of Botany. "Effect of Gibberellic Acid on the Distribution of Products of Photosynthesis in Sunflower". Thesis supervisor: Prof. D. F. Forward. Room 107, 16 Hart House Circle. 10 a.m.

Thursday, September 23

Ian P. Christensen, Department of Psychology. "The Auditory Discrimination of Relative Phase". Thesis supervisor: Prof. C. D. Creelman. Room 107, 16 Hart House Circle. 2 p.m.

Friday, September 24

P. L. Berenyi, Department of Physics. "The Production of Six Charged Particles in  $\pi p$  Interaction at 7 GeV/c". Thesis supervisor: Prof. J. D. Prentice. Room 108, 16 Hart House Circle. 10 a.m.

Tuesday, September 28

H. Lawford, Department of Biochemistry. "The Transport of Citrate and Other Tricarboxylic Acids in Pseudomonas". Thesis supervisor: Prof. C. R. Williams. Room 108, 16 Hart House Circle. 10 a.m.

### Audrey Hozack appointed

#### Assistant Warden of HH

Mrs. Audrey Hozack, having served in the office of the Students' Administrative Council from 1947 to 1952 and in Hart House from 1953 to 1966, was in July 1966 appointed Assistant Director of Alumni Affairs. She was subsequently appointed Associate Director of Alumni Affairs in July 1970. She now returns to Hart House, having been appointed Assistant Warden (Administration), replacing W. A. McCoy who resigned from that position during the summer.



## Prof Harold Nelson acting head of International Studies Program

Prof. Harold Nelson of the Department of History has been appointed acting chairman of the International Studies Program for 1971-72. He succeeds Prof. R. C. Pratt who served as chairman since the Program's inception in 1966.

Prof. Nelson was born in Brantford and obtained his B.A. in Modern History from the University of Toronto in 1941, his M.A. from Cornell University in 1942 and his Ph.D. from Columbia in 1959. He joined the staff of the Department of History, U of T, in 1949. He served as editor of the Canadian Institute of International Affairs' *International Journal* (1952-59), and is author of *Land and Power: British and Allied Policy on Germany's Frontiers, 1916-1919*, published in 1963 by the University of Toronto Press and by Routledge and Kegan Paul, London. In the Department of History, Dr. Nelson specializes in modern international history with special emphasis on the origins and consequences of the First World War, and in Anglo-Russian relations before 1914.

Prof. Nelson received a number of honours during his university career: he was awarded the gold medal at Victoria College in 1941, the Gilder Fellowship at Columbia in 1947, and a Nuffield Foundation Travelling Fellowship for research in the United Kingdom, 1959-60.

He has been active in the International Studies Program since its inception and has served as chairman of its expanding International Relations Committee since 1967. In May, 1971, he organized a conference on "The Crisis of the Human Environment and International Action" which brought together scholars from the major Canadian universities and from some U.S. and European universities.

Prof. R. C. Pratt, retiring chairman of the Program, is on leave of absence this year. He is completing a study of Tanzanian government and politics since independence which he began several years ago with the assistance of a Killam Award. Prof. Pratt returned to East

Africa briefly in June of this year as an adviser to the International Development Research Centre and expects to spend a further brief period in Tanzania next spring. He returns to his full-time appointment in the Department of Political Economy in July 1972 and will continue to be active in the I.S.P., particularly with reference to further development of Third World studies at the University of Toronto.

## Library cards available now

In co-operation with the office of the Vice-President and Registrar, the University Library has produced a plastic, embossed registration card for each member of the teaching staff. This, says Herbert C. Sholler, Associate Librarian, Reader Services, is an essential element of the forthcoming automated circulation system.

It will be mandatory for each member of the teaching staff to present his or her card when borrowing books and quote the registration card number when using the book delivery system. The new card will also be used for participation in University elections.

Cards for use in 1971-72 have been prepared for all teachers whose names appear on the Staff Records list. Teachers are asked to apply in person for their cards at the Reader Registration Office, Room 23, second floor, Old Library wing, by the end of September. The office is open from 9 a.m. to 9 p.m. The cards are ready and there will be no waiting or delay, Mr. Sholler says.

Recently appointed teachers whose names may not have been on the list when the cards were made up should apply for theirs at the Reader Registration Office. Mrs. M. Hutchinson at 928-2293, will be glad to answer telephoned questions.

## You now must pay for parking at Scarborough and Erindale

For the first time, staff and students this year must pay for parking on the campuses of Scarborough and Erindale Colleges and, at Scarborough, for use of the commuter bus lines linking the college with public transit terminals.

The charge for parking at Scarborough is \$25 a year, with a reduced rate for Extension students. Upon payment of the fee, users are given a "transportation card", which may be used for both parking and bus service. Motorists also re-

ceive a parking sticker to be affixed to the windshields of their cars. There is no charge for visitors who are directed to visitor parking lots.

The fee for parking at Erindale is \$30 a year. The Erindale College Council was to decide at its September meeting whether or not its bus service would continue to be free to users.

The shuttle bus services between the St. George Campus and the two outlying colleges will continue to be operated without charge to the users.

## Car conference a great success

When U of T's Faculty of Applied Science and Engineering was informed in mid-July that it was one of two universities in North America that had been picked as potential host for a three-day conference on pollution-free cars, to be held five weeks later, the initial reaction was understandably one of consternation.

At that time, the student organizing group at the Massachusetts Institute of Technology, the Urban Vehicle Design Competition Committee, said they expected some 40 universities to send representatives who would review the state of technology and make plans for a competition in 1972. It appears that U of T was picked "because we liked so much the little that we saw of it during the Clean Air Car Race of August, last year."

The Engineers did say "Yes" and immediately started to make plans that would ensure the success of the meeting. Informal visits were planned to Ontario

Place and the Science Centre, a sailing trip on the brigantine *Pathfinder* and tours of City Hall and the Toronto islands were arranged, a permit was obtained to transform the internal courtyard of the Galbraith Building into a temporary beer garden, with colored umbrellas, rustic tables and music to match.

The meeting was a great success. A final tally of delegates showed that 184 faculty members and students from 64 universities attended and 55 U.S. universities were represented. There were 25 representatives of U.S. government and industry and five from Canada.

Alec Rankin, executive vice president (administration), speaking at a banquet to mark the occasion, called the meeting "a typical example of student initiative and faculty flexibility". He commented: "I know it's dangerous to say so, and I may be blackmailed tomorrow, but there are many other faculties that are very envious of our Faculty of Applied Science and Engineering."

## STAFF NOTES

(Continued from page 5)

on Aug. 18 at the University of California at Santa Cruz and on Aug. 19 at the University of California at Berkeley on "The Stellar Population of the Galactic Nuclear Bulge".

PROF. J. C. POLANYI was elected a Fellow of the Royal Society (London).

PROF. A. J. POË was awarded a D.Sc. at the University of London.

PROF. D. J. LE ROY was awarded an honorary degree at Trent University.

PROF. J. B. JONES was elected a Fellow of the Chemical Institute of Canada.

PROF. J. E. GUILLET gave the following talks whilst on sabbatical leave during the past year: "Molecular Probes in the Study of Polymer Structure & Interactions" at the Gordon Research Conference, New Hampshire; University of Connecticut; Institute of Macromolecular Chemistry, Kiev, USSR; Institute of Organic & Physical Chemistry, Tbilisi, USSR; Technical University of Munich; Université Libre de Bruxelles; University of Freiburg; Technical University of Stuttgart; University of Trondheim; University of Uppsala; on "Photochemistry in Macromolecular Systems" at Institute for Petrochemical Synthesis, Moscow; Institute for Macromolecular Chemistry, Kiev; Unilever Forschungslaboratorium, Hamburg; BASF Forschungslaboratorium, Ludwigshafen; University of Louvain; Dunlop Forschungslaboratorium, Hanau; University of Mainz; University Darmstadt; University of Trondheim, Research Labs, Ciba-Geigy A.G., Basle; on "Kinetics of Propylene Polymerization on Single Crystals of TiCl<sub>3</sub>" at University of Freiburg; University of Trondheim; on "Fundamental Processes in the Degradation and Stabilization of Polymers" at the International Conference on Chemical Transformation of Polymers, Bratislava; on "Protection atni-U.V. des Polymères" at Société de Chimie Industrielle, Paris; on "Photochimie des polymères portant des fonctions cétones" at Société de Chimie Physique, Paris; on "Études des structures et des Interactions dans les systèmes macromoléculaires par la technique 'Molecular Probe'" at Centre de Recherches sur les Macromolécules, Strasbourg; Laboratoire de Recherches, Kodak Pathé, Vincennes, France; Institut Français du Caoutchouc, Paris; Université de Lyon; on "Photochimie en systèmes polymériques" at Centre de Recherches sur les Macromolécules, Strasbourg; Laboratoires de Bellevue (CNRS), Paris; Université de Lille; Laboratoire de Recherches, Ethylène Plastique S.A., Lille; Institut Français du Caoutchouc, Le Mans; on "Polymérisation du propylène sur les monocristaux de TiCl<sub>3</sub>" at Centre de Recherches sur les Macromolécules, Strasbourg; on "Relations entre la structure et les propriétés rhéologiques du polyéthylène" at Centre de Recherches sur les Macromolécules, Strasbourg.

PROF. S. McLEAN gave a talk entitled "Structural Studies of Natural Products" on Feb. 18 at the University of Waterloo, and held a seminar entitled "Structural Studies of Alkaloids" on May 6 at the University of New Brunswick.

PROF. K. YATES gave the following talks whilst on sabbatical leave during the past year: "Electrophilic Additions to Acetylenes" at Sir George Williams University; Laboratoires du CNRS, Thiais, France; Laboratoire de Chimie Organique-Physique de l'Université de Paris; Instituto di Chimica Organica, Università di Padova; on "Application of the Principle of Least Motion to Organic Reactions" at Laboratoire de Chimie Organique-Physique de l'Université de Paris; University of Bristol; on "Mechanisms of

Acid Catalysed Ester + Amide Hydrolysis" at Laboratoire de Chimie Organique-Physique de l'Université de Paris; on "Acid Catalysed Reactions in Concentrated Acids" at University of North Wales, Cambridge University; Instituto di Chimica Organica, Università di Padova; on "Le Principe du Moindre Mouvement" at L'Université de Clermont-Ferrand; L'Université de Lyon; L'Université de Montpellier; L'Université de Toulouse.

PROF. A. W. BREWER opened the 2nd Canadian Micrometeorology Conference on behalf of the Associate Committee for Geodesy and Geophysics of the National Research Council, and took the chair of the session on the afternoon of May 10. On May 12 he attended the opening of the new building for the Department of Meteorology at McGill University. Prof. Brewer attended the IVth Meeting of the Committee on Space Research (COSPAR) as Canadian representative for COSPAR Working Group VI (Application of Space Techniques to Meteorology and Earth Surveys), and delivered the Canadian Statement to the COSPAR Plenary session at Seattle, June 22. He also attended the XV General Assembly of the International Union of Geodesy and Geophysics in Moscow and was convener of the symposium on Energetics and Dynamics of the Mesosphere and Lower Thermosphere held Aug. 3-5. On Aug. 3 he acted as chairman of the session on Composition and Photochemistry. Prof. Brewer was made chairman of the Resolutions Committee of the International Association of Meteorology and Atmospheric Physics, and he was re-elected president of the International Ozone Commission.

PROF. C. H. BEDFORD gave the following addresses: "Christ and Antichrist in the Trilogy of D. S. Merezhkovsky" and "The Religious Background to Merezhkovsky's Novel *Peter and Alexis*" at the Department of Slavic Languages and Literatures, University of Illinois.

## A & S Committees election is announced

Nominations for election to the re-structured committees of the Council will open on Sept. 20. Faculty members of the Council are eligible to stand for election to the General Committee, by either their department or their division. Faculty cross-appointed to Scarborough or Erindale Colleges are also eligible for election to the General Committee by Scarborough or Erindale College respectively.

In addition, nominations are open for faculty seats on each of the Curriculum Committees on Humanities, Interdisciplinary Studies, Life Sciences, Physical Sciences, and Social Sciences. Although persons may be nominated for only one position, election to a Curriculum Committee automatically seats the elected person on the General Committee also.

On Sept. 20, nomination forms will be available at the Faculty Office, College Registrars' Offices, and the Office of the Vice-President and Registrar. Nominations will close at 4 p.m. on Sept. 29, 1971. Voting will be by the mailed-ballot method.

Enquiries regarding the election may be directed to the Office of the Vice-President and Registrar (telephone 928-7010).

## Woodrow Wilson Foundation plans new fellowship program

Although the Woodrow Wilson Fellowship competition has been suspended for 1971-72, the Woodrow Wilson National Fellowship Foundation is trying to develop a new program, despite the fact that prospects for obtaining new funds are uncertain.

"During the coming year," said H. Ronald Rouse, national director of the Foundation at Princeton, N.J., "trustees and officers of the Foundation, in co-operation with representatives of the academic world, will design a new fellowship program taking into account recent developments in graduate education and in the teaching profession, and seek funds for this new program."

The Foundation released the names of Woodrow Wilson Fellows of 1970-71

and prior years who are taking their graduate work in 1971-72 at University of Toronto. Their names, discipline, and the university from which they graduated, are:

Eugene Charles Carson, English, Virginia; Trevor Cobain, drama, Brock; Mark A. Cordover, political economy, Cornell; Vicki Dickenson, East Asian studies and museology, Toronto; Richard Wright Hillman, English, Wesleyan; Arthur Bruce Iserman, English, Colorado; Janet Louise Lawrence, English, McMaster; Katharine Anne MacCormick, philosophy, St. Francis Xavier; Richard B. E. Osolen, English, Toronto; Garnet George Ward, music, Saskatchewan; Vincent Bernard Sherry, English, Notre Dame; Nancy Beth Wallack, English, Cornell.